

Appln. Serial No. 09/706,960
Amendment Under 37 C.F.R. § 1.116
Reply to Office Action Mailed December 23, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 1. (Original) A system comprising:
2 an interface to a network;
3 a first operational element to perform one or more tasks in the system;
4 a storage element containing a flag to indicate if a fault has occurred with the first
5 operational element; and
6 a backup device to enable access of the network through the interface in response
7 to the flag indicating failure of the first operational element.

1 2. (Original) The system of claim 1, wherein the first operational element comprises
2 a disk drive.

1 3. (Previously Presented) The system of claim 1, wherein the interface comprises a
2 network stack having an Internet Protocol (IP) layer, wherein the backup device comprises a
3 backup storage element containing a backup routine adapted to perform communications through
4 the network stack including the IP layer to the network.

1 4. (Original) The system of claim 3, wherein the backup routine comprises a
2 browser.

1 5. (Original) The system of claim 3, wherein the first operational element comprises
2 a first disk drive, and wherein the backup storage element comprises a second disk drive separate
3 from the first disk drive.

1 6. (Original) The system of claim 5, wherein the second disk drive has a smaller
2 storage capacity than the first disk drive.

1 7. (Previously Presented) The system of claim 3, wherein the backup storage
2 element comprises non-volatile memory.

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1 8. (Previously Presented) The system of claim 1, wherein the first operational
2 element comprises a disk drive having plural partitions, and wherein the backup device
3 comprises one of the partitions.

1 9. (Previously Presented) The system of claim 1, wherein the backup device
2 comprises a removable disk drive.

1 10. (Original) The system of claim 1, the backup device to retrieve user data and
2 software over the network to recover the system.

1 11. (Original) The system of claim 1, wherein the first operational element comprises
2 a storage element, the backup device to retrieve an image of the storage element to recover the
3 storage element to its operational state.

1 12. – 13. (Cancelled)

1 14. (Currently Amended) ~~The method of claim 13, A method of performing error~~
2 recovery in a system, comprising:
3 detecting if an operating portion of the system has experienced a fault;
4 accessing a backup device to enable communication through a network stack
5 including an Internet Protocol (IP) layer over a network;
6 retrieving data through the network stack including the IP layer over the network,
7 the data comprising an image containing user data and an operating system;
8 recovering the system using the image; and
9 loading a backup software routine from the backup device,
10 wherein the backup software routine comprises a browser, the method further
11 comprising executing the browser to access the network through the network stack including the
12 IP layer to retrieve the data.

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1 15. – 19. (Cancelled)

1 20. (Currently Amended) ~~The method of claim 19,~~ A method of performing recovery
2 in a system having a main storage device and a backup storage device, comprising:
3 booting from a backup storage device instead of the main storage device if the
4 system has experienced a fault;
5 using the backup storage device to enable communications through a network
6 stack including an Internet Protocol (IP) layer over a network to retrieve an image to recover the
7 system, wherein the image comprises user data and an operating system; and
8 loading a routine from the backup storage device to enable the network
9 communication through the network stack including the IP layer,
10 wherein loading the routine comprises loading a browser.

1 21. – 27. (Cancelled)

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1 28. (Previously Presented) An article comprising at least one storage medium
2 containing instructions that when executed cause a system to:
3 detect if an operating portion of the system has experienced a fault;
4 access a backup device to enable communication over a network;
5 retrieve data to recover the system over the network;
6 in response to the fault, scan a storage device to identify portions of the storage
7 device that are defective;
8 store the retrieved data in portions of the storage device other than the portions
9 that are identified to be defective by the scan,
10 wherein retrieving the data comprises retrieving an image containing user data
11 and operating system software;
12 set a flag in response to the fault, the flag to indicate that the system has
13 experienced the fault;
14 load a BIOS routine to detect whether the flag is set; and
15 cause the BIOS routine to load a second routine in response to detecting the flag
16 is set, the second routine to retrieve the data to recover the system over the network.

1 29. (Cancelled)

1 30. (Previously Presented) The system of claim 1, further comprising a BIOS routine
2 to detect a state of the flag, the BIOS routine to access the backup device in response to detecting
3 that the flag indicates the fault.

1 31. (Previously Presented) The system of claim 10, wherein the software comprises
2 operating system software.

1 32. (Previously Presented) The system of claim 3, wherein the backup device is
2 adapted to retrieve an image containing user data and operating system software over the
3 network in response to the flag.

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- 1 33. (Previously Presented) The article of claim 28, wherein storing the retrieved data
- 2 comprises storing the retrieved image containing the user data and operating system software in
- 3 the portions of the storage device other than the portions that are identified to be defective by the
- 4 scan.